

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,037,662 B1  
APPLICATION NO. : 09/104340  
DATED : May 2, 2006  
INVENTOR(S) : Boyd et al.

Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At the First page, column 2 (Abstract), line 4, please delete “gone” and insert --gene-- therefor.

At column 1, line 24, please delete “Neumbiol” and insert --Neurobiol-- therefor.

At column 1, line 26, please delete “(TOF-β)” and insert --(TGF-β)-- therefor.

At column 1, line 41 (approx.), please delete “simulation” and insert --stimulation-- therefor.

At column 1, line 54, please delete “Bemstein” and insert --Bernstein-- therefor.

At column 1, line 57, please delete “348:” and insert --348;-- therefor.

At column 1, line 58, please delete “A.” and insert --A.,-- therefor.

At column 2, line 1, please delete “Chang” and insert --Cheng-- therefor.

At column 2, line 2, please delete “et al.” and insert --et al.,-- therefor.

At column 2, line 8, please delete “(Hiral” and insert --(Hirai-- therefor.

At column 2, line 10, please delete “7:” and insert --7;-- therefor.

At column 2, line 14 (approx.), please delete “et at.,” and insert --et al.,-- therefor.

At column 2, line 34 (approx.), please delete “at al.,” and insert --et al.,-- therefor.

At column 2, line 36 (approx.), please delete “(LERKS:” and insert --(LERKS;-- therefor.

At column 2, line 36 (approx.), please delete “et at.,” and insert --et al.,-- therefor.

At column 2, line 43, please delete “et al. 1994:” and insert --et al., 1994;-- therefor.

At column 2, line 45 (approx.), please delete “Brambilia” and insert --Brambilla-- therefor.

At column 2, line 55, please delete “ill” and insert --III-- therefor.

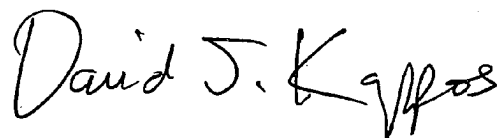
At column 2, line 56, please delete “et at.,” and insert --et al.,-- therefor.

At column 2, line 59, please delete “crossreactivity” and insert --cross-reactivity-- therefor.

At column 2, line 64, please delete “et al.” and insert --et al.,-- therefor.

Signed and Sealed this

Thirtieth Day of November, 2010



David J. Kappos  
*Director of the United States Patent and Trademark Office*

At column 2, line 65, please delete “et **oh**,” and insert --et **al**,-- therefor.

At column 2, line 66, please delete “St al.,” and insert --et al.,-- therefor.

At column 3, line 14, please delete “et at.,” and insert --et al.,-- therefor.

At column 3, line 18-19, please delete “retinoteotal” and insert --retinotectal-- therefor.

At column 3, line 20, please delete “et at.,” and insert --et al.,-- therefor.

At column 3, line 21, please delete “370,” and insert --370;-- therefor.

At column 3, line 22, please delete “et at.,” and insert --et al.,-- therefor.

At column 3, line 23 (approx.), please delete “OBJET” and insert --OBJECT-- therefor.

At column 3, line 32 (approx.), please delete “high affinity” and insert --high-affinity-- therefor.

At column 3, line 45, please delete “Is” and insert --is-- therefor.

At column 3, line 64, please delete “axon I, axon” and insert --exon I, exon-- therefor.

At column 4, line 4, please delete “FIG” and insert --FIG.-- therefor.

At column 4, line 14, please delete “adds” and insert --acids-- therefor.

At column 4, line 17, after “NO:4)” delete “,”.

At column 4, line 26, please delete “axon” and insert --exon-- therefor.

At column 4, line 50, please delete “se” and insert --as-- therefor.

At column 5, line 42, please delete “described,” and insert --described-- therefor.

At column 5, line 49, please delete “20” and insert --20°-- therefor.

At column 5, line 50, please delete “25” and insert --25°-- therefor.

At column 5, line 51, please delete “10’ to 15” and insert --10° to 15°-- therefor.

At column 5, line 53, please delete “Is” and insert --is-- therefor.

At column 5, line 64, after “length” insert --.--.

At column 6, line 7 (approx.), please delete “60000” and insert --6000-- therefor.

At column 6, line 30, please delete “et al” and insert --et al.-- therefor.

At column 6, line 31, please delete “CLONING,” and insert --CLONING.-- therefor.

At column 7, line 12 (approx.), please delete “add” and insert --acid-- therefor.

At column 7, line 49, please delete “calls” and insert --cells-- therefor.

At column 7, line 49, please delete “coils” and insert --cells-- therefor.

At column 8, line 11 (approx.), please delete “es” and insert --as-- therefor.

At column 8, line 16, please delete “end” and insert --and-- therefor.

At column 8, line 33 (approx.), please delete “subsequences” and insert --sub-sequences-- therefor.

At column 8, line 43-44, please delete “Collgan” and insert --Coligan-- therefor.

At column 9, line 65, please delete “defect,” and insert --defects,-- therefor.

At column 10, line 8, please delete “form” and insert --from-- therefor.

At column 10, line 30, please delete “according,” and insert --according-- therefor.

At column 10, line 48 (approx.), please delete “NOS” and insert --NOS:-- therefor.

At column 10, line 49 (approx.), please delete “NOS” and insert --NOS:-- therefor.

At column 10, line 50 (approx.), please delete “NOS” and insert --NOS:-- therefor.

At column 10, line 50 (approx.), after “amino” please insert --acid--.

At column 10, line 51 (approx.), please delete “NO” and insert --NO:-- therefor.

At column 10, line 57 (approx.), please delete “2B.” and insert --2B:-- therefor.

At column 10, line 64, please delete “Saijadi” and insert --Sajjadi-- therefor.

At column 11, line 9 (approx.), please delete “2E;” and insert --2E:-- therefor.

At column 11, line 27 (approx.), Delete “hydrophoblo” and insert --hydrophobic-- therefor.

At column 11, line 34 (approx.), Delete “tall” and insert --tail-- therefor.

At column 12, line 5, Delete “(I)” and insert --(I)-- therefor.

At column 12, line 8, Delete “7” and insert --7:-- therefor.

At column 12, line 23, Delete “199,” and insert --1992,-- therefor.

At column 12, line 24, Delete “Leokmann” and insert --Lackmann-- therefor.

At column 12, line 28 (approx.), After “Batches” insert --of--.

At column 12, line 46 (approx.), Delete “Hek” and insert --HEK-- therefor.

At column 12, line 56, Delete “end” and insert --and-- therefor.

At column 12, line 61, Delete “blosensor” and insert --biosensor-- therefor.

At column 13, line 16, Delete “et at.,” and insert --et al.,-- therefor.

At column 13, line 30, Delete “library” and insert --library-- therefor.

At column 13, line 41, Delete “end” and insert --and-- therefor.

At column 13, line 44, Delete “C(bases” and insert --C (bases-- therefor.

At column 13, line 48, Delete “GTAGTCTAGACAAGCTTGTCGACCAGGTT”  
and insert --GTAGTCTAGACAAGCTTGTCGACCAGGTTT-- therefor.

At column 13, line 55, Delete “(Saijadi” and insert --(Sajjadi-- therefor.

At column 13, line 59, After “and” insert --λ--.

At column 13, line 60, Delete “Elize” and insert --Eliza-- therefor.

At column 13, line 64, Delete “In” and insert --in-- therefor.

At column 14, line 2, Delete “88°” and insert --68°-- therefor.

At column 14, line 12, Delete “Biosysterris,” and insert --Biosystems,-- therefor.

At column 14, line 20, Delete “17),” and insert --17)-- therefor.

At column 14, line 21, Delete “11).” and insert --18).-- therefor.

At column 14, line 28, Delete “Aced.” and insert --Acad.-- therefor.

At column 14, line 31, Delete “N terminal” and insert --N-terminal-- therefor.

At column 14, line 41, Delete “IV-VI,” and insert --IV-VII,-- therefor.

At column 14, line 47, Delete “223)” and insert --23).-- therefor.

At column 14, line 62, After “(>95%” delete “a”.

At column 15, line 1, Delete “add” and insert --acid-- therefor.

At column 15, line 4, Delete “1995,” and insert --1996,-- therefor.

At column 15, line 5, After “expression” insert --constructs--.

At column 15, line 7, Delete “(GTAGTCTAGACAGGACCCGGGCTCAAGGC)” and insert --(GTAGTCTAGACAGGACCCGGGCTCCAAGGC)-- therefor.

At column 15, line 14, Delete “Mannhelm).” and insert --Mannheim).-- therefor.

At column 15, line 17, Delete “Bt” and insert --et-- therefor.

At column 15, line 28 (approx.), Delete “(BloRad),” and insert --(BioRad),-- therefor.

At column 15, line 38 (approx.), Delete “ant-mouse” and insert --anti-mouse-- therefor.

At column 15, line 46, Delete “6.” and insert --5.-- therefor.

At column 15, line 52 (approx.), Delete “Triis.” and insert --Tris,-- therefor.

At column 15, line 54-55 (approx.), Delete “12,10/30,” and insert --12, 10/30,-- therefor.

At column 15, line 56 (approx.), Delete “protein” and insert --proteins-- therefor.

At column 15, line 57 (approx.), Delete “HPLC.” and insert --HPLC,-- therefor.

At column 15, line 59 (approx.), Delete “et at.,” and insert --et al.,-- therefor.

At column 15, line 64, Delete “61” and insert --51-- therefor.

At column 16, line 10, Delete “et al,” and insert --et al.,-- therefor.

At column 16, line 13-14, Delete “) carbodiimide” and insert --)-carbodiimide-- therefor.

At column 16, line 21, Delete “Pharamacia” and insert --Pharmacia-- therefor.

At column 16, line 22, Delete “Biosensor” and insert --Biosensor-- therefor.

At column 16, line 66 (approx.), Delete “word et at.,” and insert --Ward et al.,-- therefor.

At column 17, line 5 (approx.), Delete “oh” and insert --on-- therefor.

At column 17, line 30 (approx.), Delete “CDNA” and insert --cDNA-- therefor.

At column 17, line 32 (approx.), Delete “aliquot.” and insert --aliquots.-- therefor.

At column 17, line 57, Delete “Plue” and insert --Plus-- therefor.

At column 18, line 19 (approx.), Delete “intro-exon” and insert --intron-exon-- therefor.

At column 18, line 29, Delete “(Wioks” and insert --(Wicks-- therefor.

At column 18, line 36 (approx.), Delete “(Saijadi” and insert --(Sajjadi -- therefor.

At column 18, line 37 (approx.), Delete “Maisonplerre” and insert --Maisonpierre-- therefor.

At column 18, line 37 (approx.), Delete “Oncogen” and insert --Oncogene-- therefor.

At column 18, line 38 (approx.), Delete “axon” and insert --exon-- therefor.

At column 18, line 63, Delete “axon,” and insert --exon,-- therefor.

At column 18, line 66, Delete “of al.,” and insert --et al.,-- therefor.

At column 18, line 67, Delete “1988,” and insert --1986,-- therefor.

At column 19, line 10 (approx.), Delete “216:” and insert --216;-- therefor.

At column 19, line 17 (approx.), Delete “(Maisonplerre” and insert --(Maisonpierre-- therefor.

At column 19, line 33 (approx.), Delete “Identify” and insert --identify-- therefor.

At column 19, line 40 (approx.), Delete “Cys<sub>n</sub>” and insert --Cys<sub>71</sub>-- therefor.

At column 19, line 59 (approx.), Delete “kD).” and insert --kD),-- therefor.

At column 20, line 18, Delete “supra:” and insert --supra;-- therefor.

At column 20, line 18, Delete “et at.,” and insert --et al.,-- therefor.

At column 20, line 27 (approx.), Delete “μg/n” and insert --μg/ml-- therefor.

At column 20, line 66, Delete “k<sub>2</sub>” and insert --k<sub>a</sub>-- therefor.

At column 20, line 67, Delete “k<sub>2</sub>” and insert --k<sub>a</sub>-- therefor.

At column 21, line 1, Delete “Apparant” and insert --Apparent-- therefor.

At column 21, line 9 (approx.), Delete “et at.,” and insert --et al.,-- therefor.

At column 21, line 11 (approx.), Delete “Interaction” and insert --interaction--.

At column 21, line 16 (approx.), Delete “Immobilised” and insert --immobilised-- therefor.

At column 21, line 31, Delete “BB,” and insert --6B,-- therefor.

At column 21, line 53, Delete “8D)” and insert --6D)-- therefor.

At column 21, line 56, Delete “crosslinked” and insert --cross-linked-- therefor.

At column 22, line 3, Delete “et al.” and insert --et al.,-- therefor.

At column 22, line 12 (approx.), Delete “3FLAG” and insert --3-FLAG-- therefor.

At column 22, line 26 (approx.), Delete “Indirect” and insert --indirect-- therefor.

At column 22, line 31 (approx.), Delete “199,” and insert --1994,-- therefor.

At column 23, line 6, Delete “I-II” and insert --I-III-- therefor.

At column 23, line 7, Delete “dos-dependent” and insert --dose-dependent-- therefor.

At column 23, line 21, Delete “Flanagan.” and insert --Flanagan,-- therefor.

At column 23, line 28 (approx.), Delete “1995.” and insert --1995,-- therefor.

At column 23, line 28 (approx.), After “Xu” delete “of”.

At column 23, line 44, Delete “In” and insert --in-- therefor.

At column 23, line 50 (approx.), Delete “(FIG. 7)” and insert --(as hereinbefore described)-- therefor.

At column 23, line 62-63, Delete “(Sajjadi et ea.,” and insert --(Sajjadi et al.,-- therefor.

At column 24, line 3, Delete “(FIG. 10D).” and insert --,-- therefor.

At column 24, line 5, Delete “(FIG. 10A),” and insert --(FIG. 7),-- therefor.

At column 24, line 19, Delete “diorganised” and insert --disorganised-- therefor.

At column 24, line 19, Delete “(FIGS. 8A-F).” and insert --,-- therefor.

At column 24, line 20-21, After “12 hpf” delete “(FIGS. 8B and 8E)”.

At column 24, line 29 (approx.), Delete “seamentation” and insert --segmentation-- therefor.

At column 24, line 29-30 (approx.), Delete “(FIGS. 8B, 8E, 8C, 8F).” and insert --,-- therefor.

At column 24, line 40 (approx.), Delete “defeots,” and insert --defects,-- therefor.

At column 24, line 46 (approx.), Delete “(Kraus,” and insert --(Krauss,-- therefor.

At column 24, line 50, Delete “(FIG. 11).” and insert --(FIG. 8).-- therefor.

At column 24, line 52, Delete “FIGS. 9A, 9B) presented above.” and insert --,-- therefor.

At column 24, line 54 (approx.), Delete “(FIGS. 9C-F).” and insert --,-- therefor.

At column 24, line 60 (approx.), After “injected with” delete “with”.

At column 24, line 61 (approx.), Delete “(FIGS. 9A, 9B).” and insert --,-- therefor.

At column 24, line 66-67, delete “conforms (FIGS. 9D, 9F)” and insert --confirms-- therefor.

At column 25, line 8, Delete “speciffic” and insert --specific-- therefor.

At column 25, line 14, Delete “In” and insert --in-- therefor.

At column 25, line 22 (approx.), Delete “high affinity” and insert --high-affinity-- therefor.

At column 25, line 25 (approx.), Delete “extodomain” and insert --exodomain-- therefor.

At column 25, line 26-27 (approx.), Delete “high affinity” and insert --high-affinity-- therefor.

At column 25, line 40, Delete “(FIG. 10C),” and insert --,-- therefor.

At column 25 line 40-41, Delete “(FIG. 10G).” and insert --,-- therefor.

At column 25, line 41, After “expression” delete “(FIG. 10D)”.

At column 25, line 43, Delete “(FIG. 10A)” and insert --(FIG. 7)-- therefor.

At column 25, line 48 (approx.), Delete “ligands,” and insert --ligands-- therefor.

At column 25, line 65, Delete "LERK" and insert --LERKs-- therefor.

At column 26, line 4, Delete "9L," and insert --al.,-- therefor.

At column 26, line 7, Delete "receptively)," and insert --respectively),-- therefor.

At column 26, line 13 (approx.), Delete "1996," and insert --1995,-- therefor.

At column 26, line 33 (approx.), Delete "et al," and insert --et al.,-- therefor.

At column 26, line 35 (approx.), After solution delete "(FIG. 7)".

At column 26, line 38 (approx.), Delete "1998)" and insert --1996)-- therefor.

At column 26, line 47, Delete "LERK-Fe/HEK" and insert --LERK-Fc/HEK-- therefor.

At column 26, line 57 (approx.), Delete "dimerio" and insert --dimeric-- therefor.

At column 26, line 60, Delete "Interactions," and insert --interactions,-- therefor.

At column 26, line 63, Delete "et el.," and insert --et al.,-- therefor.

At column 26, line 65, Delete "receptor ligand" and insert --receptor-ligand-- therefor.

At column 26, line 67, Delete "some" and insert --same-- therefor.

At column 27, line 1, Delete "(Gals" and insert --(Gale-- therefor.

At column 27, line 10 (approx.), Delete "at al.," and insert --et al.,-- therefor.

At column 27, line 40 (approx.), Delete "experiments" and insert --experiments,-- therefor.

At column 27, line 44, Before "and" delete "(FIG.7)".

At column 27, line 45, Delete "al. 1996," and insert --al., 1995,-- therefor.

At column 27, line 51, Delete "LERK3'" and insert --LERK3-- therefor.

At column 27, line 65, After "LERK" insert --7-- therefor.

At column 28, line 6, Delete "arid" and insert --acid-- therefor.

At column 28, line 7, Delete "is" and insert --its-- therefor.

At column 28, line 9, Delete "identityin" and insert --identity in-- therefor.

At column 28, line 10, Delete "(99.6%" and insert --(99.5%-- therefor.

At column 28, line 10, Delete "respectively," and insert --respectively;-- therefor.

At column 28, line 17, Delete "neccessary" and insert --necessary-- therefor.

At column 28, line 26, Delete "suppports" and insert --supports-- therefor.

At column 28, line 28, Delete "at" and insert --acts-- therefor.

At column 28, line 31 (approx.), Delete "signalling" and insert --signaling-- therefor.

At column 28, line 33 (approx.), Delete "be Spirtz" and insert --b, Spritz-- therefor.

At column 28, line 34 (approx.), Delete "at ea.," and insert --et al.,-- therefor.

At column 28, line 41 (approx.), Delete "ligaind" and insert --ligand-- therefor.

At column 28, line 42, Delete “et at,” and insert --et al.,-- therefor.

At column 28, line 46, Delete “et at.,” and insert --et al.,-- therefor.

At column 28, line 53 (approx.), Delete “titrating” and insert --titrating-- therefor.

At column 28, line 57, Delete “receptor ligands” and insert --receptor-ligands-- therefor.

At column 28, line 59, Delete “1998,” and insert --1996,-- therefor.